## Abstract

for improving the direct current (DC) offset performance of an oversampling analog-to-digital (A/D) converter, including A/D converters that include an oversampling quantizer such as a single or multi-bit Δ-Σ modulator, successive approximation quantizer, flash quantizer, pipelined quantizer or other suitable oversampling quantizer. A customized buffer/amplifier may be inserted between an analog chopper and a signal processing chain. The customized buffer/amplifier is optimized for input noise and the signal chain compensates for poor DC performance. The result is a buffered analog-to-digital converter with both low input noise and very good DC accuracy.

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